

ANNUAL INDEX, Vol. 11

A

Adam, D.E., S. Sack & A. Sass	
— Coal-to-gas system makes two fuels from one lump of coal, March	30
Add-on regulation syndrome, The (Comment), October	14
Alabama operators organize for better reclamation, July	41
Alabama Surface Mining Reclamation Council, Birmingham, Ala., July	41
Allan, K.N., & D.D. Spanaus	
— Controlling noise in coal preparation plants, July	38
Amox Coal Co., Ayrshire Mine, Chandler, Ind., July	30
Amox Coal Co., Belle Ayr Mine, Campbell County, Gillette, Wyo., March	26
American Mining Congress	
— Coal Convention, Pittsburgh, Pa., July	46
— '74 AMC Coal Convention, The, April	44
Another historic first (Hot Wire from NCA), May	36
A-Seam Coal Corp., Salsersville, Breathitt County, Ky., June	36
Ashcraft, John & Edward Moss	
— West Virginia Miner Training, Education & Certification Act, The, December	62
Ayrshire Mine geared to produce 3 million tpy, July	30

B

Bagge, Carl E.	
— NCA Louisville Conference will examine crucial industry issues, September	39
Bevercotes Colliery pioneers automation, April	64
Big-bore coal mining method, The, January	64
Blakely, J. Wes	
— Ayrshire Mine geared to produce 3 million tpy, July	30
— Coal history being made with seminars, May	40
— Current factors affecting preparation, January	55
— Deep mines of tomorrow, The, January	58
— Flame metallizing saves money, cuts downtime, November	33
— Individual state, company & school efforts significant, December	57
— Manpower scene, The: Training & Development, December	52
— New cities for Appalachia—will they be denied?, January	49
— Refuse bank reclamation project, A, February	30
— Surface mining in Appalachia, June	36
— Underground scene, The: Continuous mine haulage, December	42
— Western scene, The, June	40
Blakely, J. Wes & R.H. Mason	
— Clarity, uniform interpretation of laws needed, September	36
Bly, Robert L.	
— Engine exhaust provides clue to proper performance, February	40
British boast of excellent land restoration program, November	36
British colliery pioneers in modernization, October	42

C

Carbon Fuel Co., Winifrede Div., Kanawha County, W. Va., February	30
Castanoli, A.F.	
— A new concept in coal dryers, October	36
Charnbury, H.B.	
— Coal and the environment, January	69
Checklist for noisy hydraulics, May	59
Choosing the right haulage vehicle, August	46
Clarity, uniform interpretation of laws needed, September	36
Coal and economics, January	41
Coal and technology, January	42
Coal and technology transfer, January	68
Coal and the environment, January	69
Coal and the political arena, January	40
Coal by hydrogenic intrusion?, January	67
Coal by-products constitute highway base, May	45
Coal executives meet press in West Virginia, March	36
Coal history being made with seminars, May	40
Coal-to-gas system makes two fuels from one lump of coal, March	30
Coal waste can become an asset, February	34
Coal wastes: What can be done?, January	71
Colliery builds prototype roof bolter, August	43
Consolidation Coal Co., Pittsburgh, Pa., July	43
Consolidation Coal Co., Rowland Div., No. 4 Mine, Beckley, W. Va., February	22

Continuous belt haulage makes mark underground, March	32
Controlling noise in coal preparation plants, July	38
Cooper, Donald	
— New vortex sieve works for Quarto Mining, September	48
Cornforth, Carol	
— Alabama operators organize for better reclamation, July	41
— Kentucky college offers associate degrees in mining & reclamation, December	60
— Overton asserts individual liberty is being challenged, September	70
— Routes to clean air—the controversy, September	42
— Surface mine of the future, January	75
— Union looks at health & safety, The, February	32
— Washington coal mine fuels first NW steam electric plant, October	32
— Wyoming mine complex protects area life-style, March	26
Coughlin, Robert W.	
— Gyrating ring feeder provides continuous flow, November	50
Courtney, William J. & Madan M. Singh	
— Pneumatic stowing: It must be looked at now, February	27
Crawler tractors require improved maintenance, June	54
Current factors affecting preparation, January	55

D

Deep mines of tomorrow, The, January	58
Deuschle, Ralph & F. Tiffany	
— Electrical safety in coal processing, September	62
DIP performs well in coal field, August	44
Discussion surfaces between two Interior agencies, November	42

E

Electrical safety in coal processing, September	62
Energy policy issue sets pace at AMC convention, July	46
Engine exhaust provides clue to proper performance, February	40
Environmental control in processing, September	52
Exhibition in Print, April	48

F

Ferretti, E.J.	
— Slurry & dry feeds involve unique problems, October	38
Flame metallizing saves money, cuts downtime, November	33
Foreman, Dr. W.E.	
— The big-bore coal mining method, January	64
From the earth: abundant energy, April	43
Future trends in preparation, January	56

G

Gasification or liquefaction: Where we stand, January	43
Good production reported in Virginia low coal, December	48
Government by colossus: The "unbending and inflexible" 1969 Coal Mine Health & Safety Act (Comment), March	6
Gyrating ring feeder provides continuous flow, November	50

H

Hammersma, J.W., M.L. Kraft, W.P. Kendrick, & R.A. Meyers—Meyers' Process cuts out 80 percent sulfur, August	36
Hawley Coal Mining Corp., Bradshaw, W. Va., May	46
Hawley Coal spends \$5 million on plant expansion, May	46
Hesketh, Dr. Howard E.	
— SO ₂ scrubbing systems: commercial availability, February	38
Holz, Peter	
— Colliery builds prototype roof bolter, August	43
Hopper, W. Hollie	
— Coal and economics, January	41
How to increase productivity, (Comment), December	8
How to select a blast hole drill, June	48

Hurley, James H.	
— Training important at Florence since company's beginning, December	55
Hydraulic pipeline makes continuous haulage possible, July	43

I

IITRI hydraulic jet coal miner, January	66
Individual state, company & school efforts significant, December	57
Ironman, Ralph	
— Bevercotes Colliery pioneers automation, April	64
— British boast of excellent land restoration program, November	36
— British colliery pioneers in modernization, October	42
Itmann Coal Co., Itmann, Wyoming County, W. Va., May	53
Itmann Coal improves safety with longwall, May	53

J

Johnson, Tegner C.	
— Stripping machine availability, April	60
Jones, W.G. "Turk"	
— Reclamation today in Pennsylvania, June	33

K

Kelley, Dr. J. Hilary	
— Coal and technology, January	42
Kendrick, W.P., J.W. Hammersma, M.L. Kraft & R.A. Meyers—Meyers' Process cuts out 80 percent sulfur, August	36
Kentucky college offers associate degrees in mining & reclamation, December	60
Kraft, M.L., J.W. Hammersma, W.P. Kendrick, & R.A. Meyers—Meyers' Process cuts out 80 percent sulfur, August	36

L

Labounsky, Alex	
— DIP performs well in coal field, August	44
Levene, Harold D.	
— Gasification or liquefaction: Where we stand, January	43
— Western operators discuss surface mining development, October	47
Lightning may strike! (Hot Wire from NCA), December	34

M

Maneval, David R.	
— Coal waste can become an asset, February	34
Maneval, Dr. David R. & Michael Newton	
— New techniques needed to attract, hold manpower, December	53
Manpower scene, The: Training & Development, December	52
Maple Meadow Mining Co., Fairdale, W. Va., November	28
Maple Meadow Mining—prototype for modern mine design, November	28
Marion moves to stimulate morale, spirit of people, August	49
Marion Power Shovel Co., Marion, Ohio, August	49
Mason, Richard H.	
— Coal by-products constitute highway base, May	45
— Coal executives meet press in West Virginia, March	36
— Dissension surfaces between two Interior agencies, November	42
— Good production reported in Virginia low coal, December	48
— Hawley Coal spends \$5 million on plant expansion, May	46
— Maple Meadow Mining—prototype for modern mine design, November	28
— Mercury vapor lamp, The, February	22
— Trace Fork Coal Co., McDowell County, W. Va., December	45
— Underground coal auger claims practical success, March	46
— Westmoreland's Leisenring discusses need for better communications, December	67
Mason, Richard H. & J. Wes Blakely	
— Clarity, uniform interpretation of laws needed, September	36
Meadowlark Farms, Inc., subsidiary of Amax Coal Co., Sullivan, Ind., May	50
Meikle, Philip G.	
— Coal and technology transfer, January	68
Mercury vapor lamp, The, February	22

ANNUAL INDEX, Vol. 11

A	
Adam, D.E., S. Sack & A. Sass	
— Coal-to-gas system makes two fuels from one lump of coal, March	30
Add-on regulation syndrome, The (Comment), October	14
Alabama operators organize for better reclamation, July	41
Alabama Surface Mining Reclamation Council, Birmingham, Ala., July	41
Allan, K.N., & D.D. Spanaus	
— Controlling noise in coal preparation plants, July	38
Amox Coal Co., Ayrshire Mine, Chandler, Ind., July	30
Amox Coal Co., Belle Ayr Mine, Campbell County, Gillette, Wyo., March	26
American Mining Congress	
— Coal Convention, Pittsburgh, Pa., July	46
— '74 AMC Coal Convention, The, April	44
Another historic first (Hot Wire from NCA), May	36
A-Seam Coal Corp., Salsersville, Breathitt County, Ky., June	36
Ashcraft, John & Edward Moss	
— West Virginia Miner Training, Education & Certification Act, The, December	62
Ayrshire Mine geared to produce 3 million tpy, July	30

B	
Bagge, Carl E.	
— NCA Louisville Conference will examine crucial industry issues, September	39
Bevercotes Colliery pioneers automation, April	64
Big-bore coal mining method, The, January	64
Blakely, J. Wes	
— Ayrshire Mine geared to produce 3 million tpy, July	30
— Coal history being made with seminars, May	40
— Current factors affecting preparation, January	55
— Deep mines of tomorrow, The, January	58
— Flame metallizing saves money, cuts downtime, November	33
— Individual state, company & school efforts significant, December	57
— Manpower scene, The: Training & Development, December	52
— New cities for Appalachia—will they be denied?, January	49
— Refuse bank reclamation project, A, February	30
— Surface mining in Appalachia, June	36
— Underground scene, The: Continuous mine haulage, December	42
— Western scene, The, June	40
Blakely, J. Wes & R.H. Mason	
— Clarity, uniform interpretation of laws needed, September	36
Bly, Robert L.	
— Engine exhaust provides clue to proper performance, February	40
British boast of excellent land restoration program, November	36
British colliery pioneers in modernization, October	42

C	
Carbon Fuel Co., Winifrede Div., Kanawha County, W. Va., February	30
Castanoli, A.F.	
— A new concept in coal dryers, October	36
Charnbury, H.B.	
— Coal and the environment, January	69
Checklist for noisy hydraulics, May	59
Choosing the right haulage vehicle, August	46
Clarity, uniform interpretation of laws needed, September	36
Coal and economics, January	41
Coal and technology, January	42
Coal and technology transfer, January	68
Coal and the environment, January	69
Coal and the political arena, January	40
Coal by hydrogen intrusion?, January	67
Coal by-products constitute highway base, May	45
Coal executives meet press in West Virginia, March	36
Coal history being made with seminars, May	40
Coal-to-gas system makes two fuels from one lump of coal, March	30
Coal waste can become an asset, February	34
Coal wastes: What can be done?, January	71
Colliery builds prototype roof bolter, August	43
Consolidation Coal Co., Pittsburgh, Pa., July	43
Consolidation Coal Co., Rowland Div., No. 4 Mine, Beckley, W. Va., February	22

Continuous belt haulage makes mark underground, March	32
Controlling noise in coal preparation plants, July	38
Cooper, Donald	
— New vortex sieve works for Quarto Mining, September	48
Cornforth, Carol	
— Alabama operators organize for better reclamation, July	41
— Kentucky college offers associate degrees in mining & reclamation, December	60
— Overton asserts individual liberty is being challenged, September	70
— Routes to clean air—the controversy, September	42
— Surface mine of the future, January	75
— Union looks at health & safety, The, February	32
— Washington coal mine fuels first NW steam electric plant, October	32
— Wyoming mine complex protects area life-style, March	26
Coughlin, Robert W.	
— Gyrating ring feeder provides continuous flow, November	50
Courtney, William J. & Madan M. Singh	
— Pneumatic stowing: It must be looked at now, February	27
Crawler tractors require improved maintenance, June	54
Current factors affecting preparation, January	55

D	
Deep mines of tomorrow, The, January	58
Deuschle, Ralph & F. Tiffany	
— Electrical safety in coal processing, September	62
DIP performs well in coal field, August	44
Discussion surfaces between two Interior agencies, November	42

E	
Electrical safety in coal processing, September	62
Energy policy issue sets pace at AMC convention, July	46
Engine exhaust provides clue to proper performance, February	40
Environmental control in processing, September	52
Exhibition in Print, April	48

F	
Ferretti, E.J.	
— Slurry & dry feeds involve unique problems, October	38
Flame metallizing saves money, cuts downtime, November	33
Foreman, Dr. W.E.	
— The big-bore coal mining method, January	64
From the earth: abundant energy, April	43
Future trends in preparation, January	56

G	
Gasification or liquefaction: Where we stand, January	43
Good production reported in Virginia low coal, December	48
Government by colossus: The "unbending and inflexible" 1969 Coal Mine Health & Safety Act (Comment), March	6
Gyrating ring feeder provides continuous flow, November	50

H	
Hammersma, J.W., M.L. Kraft, W.P. Kendrick, & R.A. Meyers—Meyers' Process cuts out 80 percent sulfur, August	36
Hawley Coal Mining Corp., Bradshaw, W. Va., May	46
Hawley Coal spends \$5 million on plant expansion, May	46
Hesketh, Dr. Howard E.	
— SO ₂ scrubbing systems: commercial availability, February	38
Holz, Peter	
— Colliery builds prototype roof bolter, August	43
Hopper, W. Hollie	
— Coal and economics, January	41
How to increase productivity, (Comment), December	8
How to select a blast hole drill, June	48

Hurley, James H.	
— Training important at Florence since company's beginning, December	55
Hydraulic pipeline makes continuous haulage possible, July	43

I	
IITRI hydraulic jet coal miner, January	66
Individual state, company & school efforts significant, December	57
Ironman, Ralph	
— Bevercotes Colliery pioneers automation, April	64
— British boast of excellent land restoration program, November	36
— British colliery pioneers in modernization, October	42
Itmann Coal Co., Itmann, Wyoming County, W. Va., May	53
Itmann Coal improves safety with longwall, May	53

J	
Johnson, Tegner C.	
— Stripping machine availability, April	60
Jones, W.G. "Turk"	
— Reclamation today in Pennsylvania, June	33

K	
Kelley, Dr. J. Hilary	
— Coal and technology, January	42
Kendrick, W.P., J.W. Hammersma, M.L. Kraft & R.A. Meyers—Meyers' Process cuts out 80 percent sulfur, August	36
Kentucky college offers associate degrees in mining & reclamation, December	60
Kraft, M.L., J.W. Hammersma, W.P. Kendrick, & R.A. Meyers—Meyers' Process cuts out 80 percent sulfur, August	36

L	
Labounsky, Alex	
— DIP performs well in coal field, August	44
Levene, Harold D.	
— Gasification or liquefaction: Where we stand, January	43
— Western operators discuss surface mining development, October	47
Lightning may strike! (Hot Wire from NCA), December	34

M	
Maneval, David R.	
— Coal waste can become an asset, February	34
Maneval, Dr. David R. & Michael Newton	
— New techniques needed to attract, hold manpower, December	53
Manpower scene, The: Training & Development, December	52
Maple Meadow Mining Co., Fairdale, W. Va., November	28
Maple Meadow Mining—prototype for modern mine design, November	28
Marion moves to stimulate morale, spirit of people, August	49
Marion Power Shovel Co., Marion, Ohio, August	49
Mason, Richard H.	
— Coal by-products constitute highway base, May	45
— Coal executives meet press in West Virginia, March	36
— Dissension surfaces between two Interior agencies, November	42
— Good production reported in Virginia low coal, December	48
— Hawley Coal spends \$5 million on plant expansion, May	46
— Maple Meadow Mining—prototype for modern mine design, November	28
— Mercury vapor lamp, The, February	22
— Trace Fork Coal Co., McDowell County, W. Va., December	45
— Underground coal auger claims practical success, March	46
— Westmoreland's Leisenring discusses need for better communications, December	67
Mason, Richard H. & J. Wes Blakely	
— Clarity, uniform interpretation of laws needed, September	36
Meadowlark Farms, Inc., subsidiary of Amax Coal Co., Sullivan, Ind., May	50
Meikle, Philip G.	
— Coal and technology transfer, January	68
Mercury vapor lamp, The, February	22

MESA's Health & Safety Analysis Center, April.....	62
Meyers' Process cuts out 80 percent sulfur, August.....	36
Meyers, R.A., J. W. Hamersma, M.L. Kraft, W.P. Kendrick—Meyers' Process cuts out 80 percent sulfur, August.....	36
Mill and the law, The (Comment), August.....	4
Mining Electro-Mechanical Maintenance Association—New communications system reviewed at ME-MMA meeting, June.....	52
Moss Edward & John Ashcraft—West Virginia Miner Training, Education & Certification Act, The, December.....	62

N

NAE report staggering, (Hot Wire from NCA), July.....	16
National Coal Board, Bevercotes Colliery, North Nottinghamshire, England, April.....	64
National Mines Co., Beaver Creek Div., Wayland, Ky., December.....	44
NCA Louisville Conference will examine crucial industry issues, September.....	39
New cities for Appalachia—will they be denied?, January.....	49
New communications systems reviewed at ME-MMA meeting, June.....	52
New concept in coal dryers, A, October.....	36
New era, The (Comment), January.....	14
New shortwall concept promises great productivity increase, July.....	35
New techniques needed to attract, hold manpower, December.....	53
New vortex sieve works for Quarto Mining, September.....	48
Newton, Michael & Dr. David R. Maneval—New techniques needed to attract, hold manpower, December.....	53
Nickerson, Floyd H.—Hydraulic pipeline makes continuous haulage possible, July.....	43
—Itmann Coal improves safety with longwall, May.....	53
—New communications systems reviewed at ME-MMA meeting, June.....	52
—New shortwall concept promises great productivity increase, July.....	35
—One coal mine of tomorrow, January.....	62

O

... On Ken Hechler and "PR" (Comment), April.....	7
One coal mine of tomorrow, January.....	62
Overton asserts individual liberty is being challenged, September.....	70
Overton, J. Allen, Jr.—From the earth: abundant energy, April.....	43

P

Peabody Coal Co., Sangamon County, Ill., December.....	43
Phelp, Edwin R.—R.O.I. and coal's low profit margin, March.....	40
—We need western coal! (Hot Wire from NCA), October.....	16
Platt, William T.—Revegetation projects dominate surface mine research, August.....	40
Pneumatic stowing: It must be looked at now, February.....	27
Poe, Edgar—Coal and the political arena, January.....	40
Preparation—Clarity, uniform interpretation of laws needed, September.....	36
—Controlling noise in coal preparation plants, July.....	38
—Current factors affecting preparation, January.....	55
—Electrical safety in coal processing, September.....	62
—Environmental control in processing, September.....	52
—Future trends in preparation, January.....	56
—Hawley Coal spends \$5 million on plant expansion, May.....	46
—Maple Meadow Mining—prototype for modern design, November.....	28
—Meyers, Process cuts out 80 percent sulfur, August.....	36
—New concept in coal dryers, A, October.....	36
—New vortex sieve works for Quarto Mining, September.....	48
—One coal mine of tomorrow, January.....	62
—Slurry & dry feeds involve unique problems, October.....	38

Q

Quarto Mining Co., Powhatan, Ohio, September.....	48
---	----

R

Ranger Fuel Div., The Pittston Co., Beckley, W. Va., January.....	61
---	----

Ranger Fuel's "H" mine with LHD's, January.....	61
Reclamation today in Pennsylvania, June.....	33
Refuse bank reclamation project, A, February.....	30
Reiss, Irwin H.—We are farmers, not miners, May.....	50
Return of the village blacksmith, The (Comment), June.....	9
Revegetation projects dominate surface mine research, August.....	40
Rocky Mountain Coal Mining Institute, October.....	47
Rogich, Donald G.—Coal and technology transfer, January.....	68
R.O.I. and coal's low profit margin, March.....	40
Rotary roof bolter offers longer bit life, July.....	50
Routes to clean air—the controversy, September.....	42

S

Schlick, Donald P.—MESA's Health & Safety Analysis Center, April.....	62
Schwanke, Gust J.—Tractor shovel maintenance pays off, June.....	46
Scope of research encouraging, but... (Hot Wire from NCA), April.....	17
74 AIME Coal Convention, The, April.....	44
Shelton, T.C.—The big-bore coal mining method, January.....	64
Sigma Colliery, Sasolburg, Republic of South Africa, August.....	43
Silverdale Colliery, North Staffordshire, England, October.....	42
Singh, Dr. Madan M.—ITRI hydraulic jet coal miner, January.....	66
—Pneumatic stowing: It must be looked at now, February.....	27
Slurry & dry feeds involve unique problems, October.....	38
SO ₂ scrubbing systems: commercial availability, February.....	38
Soviet comment on coal & the energy crisis, February.....	60-A
Spanaus, D.D. & K.N. Allan—Controlling noise in coal preparation plants, July.....	38
Speedy coupler system increases wheel loader efficiency, November.....	46
Stripping machine availability, April.....	60
Sublett, Ken—Ultrasonics infiltrate the mining industry, October.....	46
Surface mine of the future, January.....	75
Surface mining—Alabama operators organize for better reclamation, July.....	41
—Ayrshire Mine geared to produce 3 million tpy, July.....	30
—British boast of excellent land restoration program, November.....	36
—Choosing the right haulage vehicle, August.....	54
—Crawler tractors require improved maintenance, June.....	46
—Engine exhaust provides clue to proper performance, February.....	40
—How to select a blast hole drill, June.....	48
—Maple Meadow Mining—prototype for modern mine design, November.....	28
—New cities for Appalachia—will they be denied? January.....	49
—Reclamation today in Pennsylvania, June.....	33
—Revegetation projects dominate surface mine research, August.....	40
—Stripping machine availability, April.....	60
—Surface mine of the future, January.....	75
—Surface mining in Appalachia, June.....	36
—Tractor shovel maintenance pays off, June.....	46
—Washington coal mine fuels first NW steam electric plant, October.....	32
—We are farmers, not miners, May.....	50
—Western operators discuss surface mining development, October.....	47
—Western scene, The, June.....	40
—Wyoming mine complex protects area lifestyle, March.....	26
Surface mining in Appalachia, June.....	36

T

Tackett & Manning Coal Corp., Letcher & Pike Counties, Ky., June.....	36
Tarheel Coals, Inc., Bulan, Perry County, Ky., June.....	36
That new academy (Comment), May.....	8
Three Appalachian mines employ "Full Dimension", December.....	50
Tiffany, Floyd & Ralph Deuschle—Electrical safety in coal processing, September.....	62
Too little, too late? (Comment), February.....	8
Torre, D.C.—Contiguous belt haulage makes mark underground, March.....	32
Trace Fork Coal Co., McDowell County, W. Va., December.....	45
Tractor shovel maintenance pays off, June.....	46

Training important at Florence since company's beginning, December.....	55
---	----

U-V

Ultrasonics infiltrate the mining industry, October.....	46
Underground coal auger claims practical success, March.....	46
Underground mining—Bevercotes Colliery pioneers automation, April.....	64
—Big-bore coal mining method, The, January.....	64
—British colliery pioneers in modernization, October.....	42
—Checklist for noisy hydraulics, May.....	59
—Coal by hydrogenic intrusion January.....	67
—Colliery builds prototype roof bolter, August.....	43
—Continuous belt haulage makes mark underground, March.....	32
—Continuous mine haulage, December.....	42
—Deep mines of tomorrow, The, January.....	58
—Hydraulic pipeline makes continuous haulage possible, July.....	43
—ITRI hydraulic jet coal miner, January.....	66
—Itmann Coal improves safety with longwall, May.....	53
—Maple Meadow Mining—prototype for modern mine design, November.....	28
—Mercury vapor lamp, The, February.....	22
—New communications systems reviewed at ME-MMA meeting, June.....	52
—New shortwall concept promises great productivity increase, July.....	35
—One coal mine of tomorrow, January.....	62
—Pneumatic stowing: It must be looked at now, February.....	27
—Ranger Fuel's "H" mine with LHD's, January.....	61
—Rotary roof bolter offers longer bit life, July.....	50
—Speedy coupler system increases wheel loader efficiency, November.....	46
—Underground coal auger claims practical success, March.....	46
Underground scene, The: Continuous mine haulage, December.....	42
Union looks at health & safety, The, February.....	32
United Pocahontas Coal, Royal No. 5 Mine, W. Va., July.....	50
U.S. Bureau of Mines, Technology Transfer Group, January.....	68

W

Wahler, William A.—Coal wastes: What can be done, January.....	71
Walker, Joe L. Jr.—Future trends in preparation, January.....	56
Washington coal mine fuels first NW steam electric plant, October.....	32
Washington Irrigation & Development Co., Centralia Coal Mine, Centralia, Wash., October.....	32
We are farmers, not miners, May.....	50
Wedertz, R.L.—How to select a blast hole drill, June.....	48
We just break the sulfur impasse, (Hot Wire from NCA), August.....	12
We must deal in facts, not beliefs, (Hot Wire from NCA), November.....	22
We need both surface and underground mining, (Hot Wire from NCA), September.....	9
We need western coal! (Hot Wire from NCA), October.....	16
West Virginia Miner Training, Education & Certification Act, The, December.....	62
Western operators discuss surface mining development, October.....	47
Western scene, The, June.....	40
Westmoreland Coal Co., Big Stone Gap, Va., May.....	40
Westmoreland's Leisenring discusses need for better communications, December.....	67
Where are our statesmen? (Comment), July.....	6
Wojda, Henry W.—Checklist for noisy hydraulics, May.....	59
Wolf Creek Collieries Mine No. 4, Lovely, Ky., November.....	46
Wyoming mine complex protects area lifestyle, March.....	26

X-Y

Year ahead 1974 The, January.....	37
-----------------------------------	----

Z

Zero energy growth, anyone? (Hot Wire from NCA), June.....	12
--	----